

ATTACHMENT V-1

PLAN FOR THE DESIGN AND MAINTENANCE OF RUN-ON/RUN-OFF CONTROL BERMS

1. PURPOSE

The purpose of this plan is to provide criteria for the calculation of design parameters for the run-on/run-off berms at the Permittee's facility to collect and control the water volume resulting from a 24-hour, 100-year storm event.

2. DESIGN CRITERIA

- a. Data used for the calculation of the 24-hour, 100-year storm event shall be obtained from a regional meteorological database.
- b. The Mixed Waste Landfill run-off berm, during active waste placement shall be constructed using current engineering methodology in accordance with Attachment II-9, *Construction Quality Assurance/Quality Control Manual*.
 - i. The run-off berm shall be constructed on top of the landfill liner, designed to contain run-off from the landfill, and shall allow water to filter through to the underlying HDPE liner and gather in the sump area for removal to the leachate evaporation tanks.
- c. The final perimeter berm shall be designed and constructed to collect and contain water volume resulting from a 24-hour, 100-year storm event in accordance with Attachment II-11, *Facility Drawings*.
- d. The run-on berm shall be designed and constructed to contain the peak discharge expected from a 24-hour, 100-year storm event in accordance with Attachment II-11, *Facility Drawings*.

4. INSPECTION AND MAINTENANCE

- a. The Permittee shall inspect the run-on/run-off berms for general integrity, erosion, proper operation, and signs of deterioration to ensure that berms remain

structurally adequate to contain the water volume expected from the calculated 24-hour, 100-year storm event. The inspection shall be performed in accordance with Attachment II-3, *Site Inspection Plan*.

End of Attachment V-1